

Substitute for Form 1449A/PTO (Modified) (use as many sheets as necessary)		Attorney Docket No.: 005557.P005	Application Number: 10/000,232
Page 1 of 3		First Named Inventor: Scharf et al.	Examiner: Not Yet Assigned
		Filing Date: November 30, 2001	Art Unit: Not Yet Assigned



U.S. PATENT DOCUMENTS						
Exam. Initial*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (If known)			
J.P.		5,476,819		Warren	12/19/95	
		5,484,073		Erickson	1/16/96	
		5,569,355		Then et al.	10/29/96	
		5,589,083		Ahn et al.	12/31/96	
		5,645,684		Keller	7/8/97	
		5,660,680		Keller	8/26/97	
J.P.		5,853,960		Tran et al.	12/29/98	


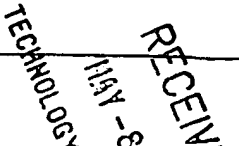
FOREIGN PATENT DOCUMENTS								
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		Office ³ Code ⁵	Number ⁴	Kind (If known)				
J.P.		DE	4318466	A1	Muchow et al.	12/8/94		
J.P.		DE	19603829	A1	Voss, R.	8/7/97		
J.P.		JP	410209471	A	Kato, Manabu	8/7/98		
J.P.		JP	410290036	A	Nakajima, Yasushi	10/27/98		

Examiner Signature	<i>James Phan</i>	Date Considered	8/05
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard S.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

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J.P.		5,962,081		Ohman et al.	10/5/99	
		6,002,507		Floyd et al.	12/14/99	
		6,014,240		Floyd et al.	1/11/00	
		6,074,890		Yao et al.	6/13/00	
		6,084,257		Petersen et al.	7/4/00	
		6,117,344		Cox et al.	9/12/00	
		6,149,190		Galvin et al.	11/21/00	
J.P.		6,238,581	B1	Hawkins et al.	5/29/01	

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Examiner Signature	James Phan					Date Considered	8/25	

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Page 3 of 3		First Named Inventor: Scharf et al.	
		Filing Date: November 30, 2001	
OTHER ART AND TRADEMARK PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Translation ²
J.P.		HOWE, ROGER T., "Surface Micromachining for Microsensors and Microactuators," <i>J. Vac. Sci. Technol. B.</i> , Vol. 6, No. 6, Nov/Dec 1988, pp.1809-1813	
		PISTER, K.S.J., et al. "Microfabricated Hinges," <i>Sensors and Actuators, A33 Eisevier Sequoia</i> , March 4, 1992	
		LIN, L.Y., et al. "Micro-Machined Three-Dimensional Micro-Optics for Integrated Free-Space Optical System," <i>IEEE Photonics Technology Letters</i> , Vol. 6, No. 12, December 1994, pp.1445-1447	
		KUBBY, J., et al., "Hybrid integration of light emitters and detectors with SOI based Micro-Opto-Electro-Mechanical Systems (MOEMS)," <i>Proceedings of SPIE on Silicon-based and Hybrid Optoelectronics III</i> , 23-24 January 2001, pp. 32, Vol. 4293, San Jose, CA	
J.P.		BHARDWAJ, J.K., et al. "Advanced Silicon Etching Using High Density Plasmas," <i>SPIE</i>, pp. 224-233, Vol. 2639	

Examiner Signature	James Phan	Date Considered	8/05
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Substitute for Form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <small>(Use as many sheets as necessary)</small>					Complete if Known	
					Application Number	10/000,232
					Filing Date	November 30, 2001
					First Named Inventor:	Scharf et al.
					Art Unit	2872
					Examiner Name	James Phan
					Attorney Docket Number	005557.P005
Sheet <u>1</u>		of <u>2</u>				
U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ³	Number ⁴ Kind Code ⁵ (if known)			
J.P. ↓ J.P.	1.	us-	5,542,558	08-06-1996	Benz et al.	
	2.	us-	5,585,960	12-17-1996	Sato et al.	
	3.	us-	5,684,631	11-04-1997	Greywall	
	4.	us-	5,824,186	10-20-1998	Smith et al.	
	5.	us-	6,326,512 B1	03-26-2002	Kubby et al.	
	6.	us-	6,379,989 B1	04-30-2002	Kubby et al.	
	7.	us-	2002/0046985 A1	04-25-2002	Daneman et al.	
	8.	us-	2002/0050744 A1	05-02-2002	Bernstein et al.	
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J.P. ↓ J.P.	9.	JP	7209594	08-11-1995	Fujitsu Ltd.		
	10.	JP	10054948	02-24-1998	Lucent Technologies Inc.		
	11.	WO	00/13210	03-09-2000	Xros, Inc.		
	12.	JP	P2002-524271A	08-06-2002	Xros, Inc.		
	13.	JP	P2002-283296A	10-03-2002	Microscan Systems Incorporated		

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			Art Unit	2872	
			Examiner Name	James Phan	
Sheet	2	of	2	Attorney Docket Number	005557.P005
NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T ²
J.P.	14.	PISTER, K. S. J. et al., "Microfabricated hinges," Sensors and Actuators A, Vol. A33, No. 3, June 1992, pp. 249-256, Elsevier Sequoia S.A., Lausanne, CH.			
	15.	WU, M. C. et al., "Micromachined free-space integrated micro-optics," Sensors and Actuators A, Vol. A50, No. 1/2, August 1995, pp. 127-134, Elsevier Sequoia S.A., Lausanne, CH.			
	16.	ZIMMERMANN, L. et al., "Airbag application: a microsystem including a silicon capacitive accelerometer, CMOS switched capacitor electronics and true self-test capability," Sensors and Actuators A, Vol. A46, No. 1/3, August/January/February 1995, pp. 190-195, Elsevier Sequoia S.A., Lausanne, CH.			
	17.	BROSNIHAN, T. J. et al., "Embedded Interconnect and Electrical Isolation for High-Aspect-Ratio, SOI Inertial Instruments," 1997 International Conference on Solid-State and Actuators, Transducers '97, Chicago, IL, June 16-19, 1997, pp. 637-640.			
J.P.	18.	KUBBY, J. "Micro-Opto-Electromechanical Systems Manufacturing," Public Presentation at 1999 Advanced Technology Program National Meeting, San Jose, USA, November 15, 1999. Retrieved from www.atp.nist.gov/1999national/kubby.pdf			

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Based on Form PTO/SB/08B (04-03) as modified by BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP on 05/09/03